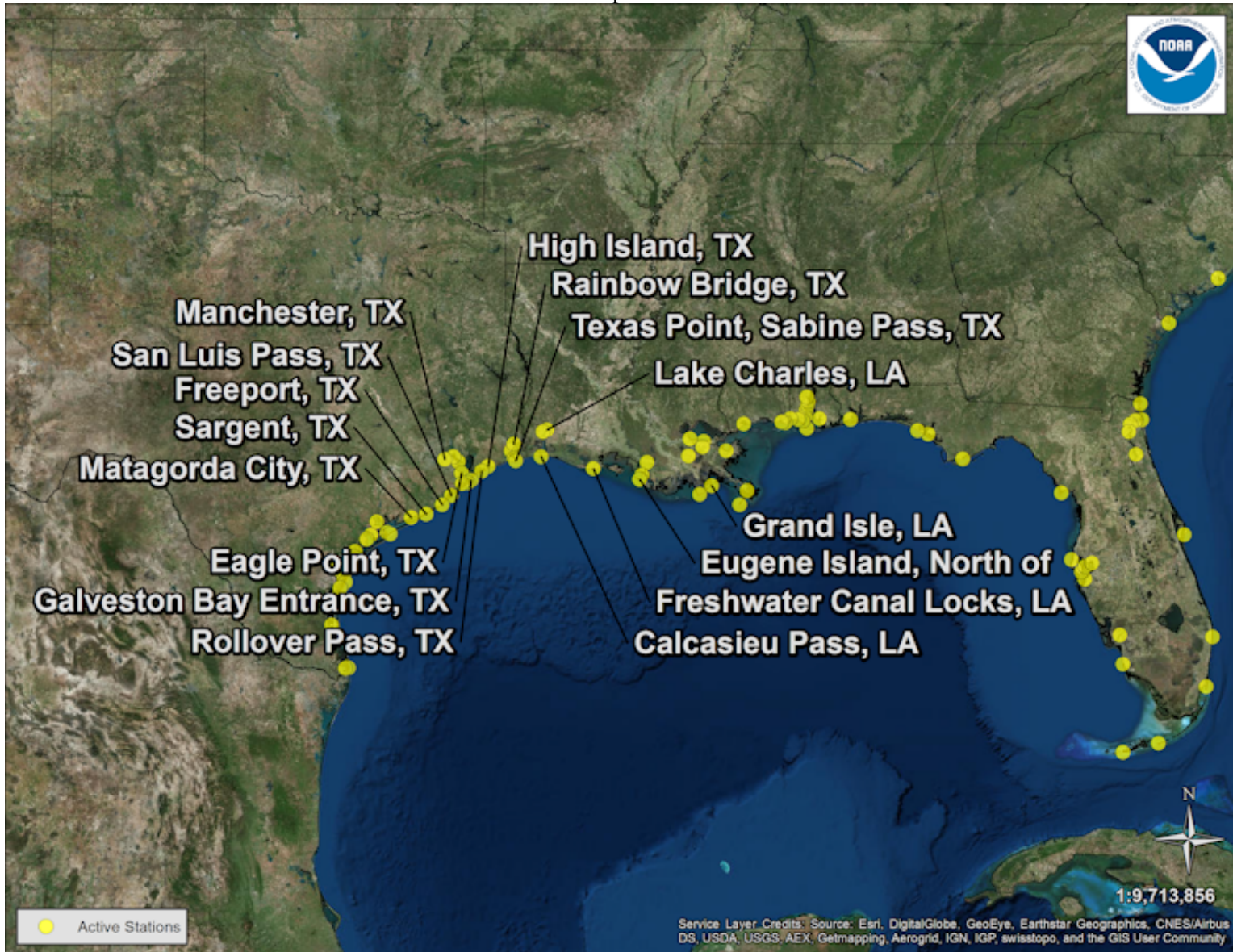




# Tropical Depression HARVEY QuickLook Posted: 23:00 CDT 08/30/2017

## NOAA and NOAA Partnership Stations Relative to the Storm



## Storm Analysis

As of 8/30/2017 23:00 CDT, water levels within upper Galveston Bay and the Gulf Intracoastal Waterway remain elevated due to rainfall runoff, though water levels have been slowly falling. Observed water levels at Manchester, TX remain 5-6 feet above normal tide levels. Within the ICW, water levels at Matagorda City, TX, Sargent, TX and High Island, TX range between 2.5 and 5.0 feet above normal tide levels with the highest residual at High Island.

Water levels are also still elevated inland near the Texas-Louisiana border with Rainbow Bridge, TX (Neches River) and Lake Charles, LA measuring 3 to 4 feet above normal tide levels. Elsewhere along the immediate Gulf coast of eastern Texas and western Louisiana, water levels have fallen and are generally within 1 foot of tidal predictions.

No further QuickLooks will be posted for this storm unless oceanographic conditions warrant and/or the National Hurricane Center (NHC) issues a new tropical storm or hurricane warning for the U.S. or its territories.

Water levels in bays and associated waterways may include impacts from hydrological forces, including rainfall runoff. For additional hydrological information see the NWS Advanced Hydrologic Prediction Services or your local National Weather Service Forecast Office.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: PFF

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

Tropical Depression Harvey Advisory Number 43  
NWS National Hurricane Center Miami FL AL092017  
1000 PM CDT Wed Aug 30 2017

...FLOODING RAINS CONTINUE OVER EXTREME EASTERN TEXAS AND WESTERN LOUISIANA...  
...HEAVY RAINS EXPECTED TO SPREAD NORTHEASTWARD OVER THE MISSISSIPPI AND TENNESSEE VALLEYS DURING THE NEXT DAY OR TWO...

SUMMARY OF 1000 PM CDT...0300 UTC...INFORMATION

-----  
LOCATION...31.7N 92.3W  
ABOUT 30 MI...50 KM NNE OF ALEXANDRIA LOUISIANA  
ABOUT 100 MI...160 KM SE OF SHREVEPORT LOUISIANA  
MAXIMUM SUSTAINED WINDS...35 MPH...55 KM/H  
PRESENT MOVEMENT...NNE OR 30 DEGREES AT 9 MPH...15 KM/H  
MINIMUM CENTRAL PRESSURE...998 MB...29.47 INCHES

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY:

None

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

There are no coastal watches or warnings in effect.

Catastrophic and life-threatening flooding continues in southeastern Texas and portions of southwestern Louisiana. Please see warnings and other products issued by your local National Weather Service office for additional information on this life-threatening situation.

## DISCUSSION AND 48-HOUR OUTLOOK

At 1000 PM CDT (0300 UTC), the center of Tropical Depression Harvey was located near latitude 31.7 North, longitude 92.3 West. The depression is moving toward the north-northeast near 9 mph (15 km/h) and this motion is expected to continue tonight. A turn toward the northeast is expected Thursday or Thursday night. On the forecast track, the center of Harvey should move through central Louisiana tonight, then move through northeastern Louisiana and northwestern Mississippi Thursday and Thursday night, and over the Tennessee Valley region on Friday.

Maximum sustained winds are near 35 mph (55 km/h) with higher gusts. Gradual weakening is expected over the next 48 hours.

The estimated minimum central pressure is 998 mb (29.47 inches).

## HAZARDS AFFECTING LAND

**RAINFALL:** Harvey is expected to produce additional rainfall accumulations of 4 to 8 inches from southwestern Louisiana and the adjacent border of eastern Texas northeastward into western Tennessee and Kentucky through Friday with isolated amounts up to 12 inches. The threat of heavy rains has ended in the Houston/ Galveston area. However catastrophic and life-threatening flooding will continue in and around Houston, Beaumont/Port Arthur, and eastward into southwest Louisiana for the rest of the week. The expected heavy rains spreading northeastward from Louisiana into western Kentucky may also lead to flash flooding and increased river and small stream flooding. **DO NOT ATTEMPT TO TRAVEL IN THE AFFECTED AREA IF YOU ARE IN A SAFE PLACE. DO NOT DRIVE INTO FLOODED ROADWAYS.** Please see warnings and products issued by your local National Weather Service office for additional information on this life-threatening situation.

Elsewhere, the outer bands of Harvey are expected to produce additional rainfall amounts of 3 to 6 inches over portions of the central and eastern Gulf States and 2 to 4 inches farther north into parts of the Tennessee Valley, Ohio Valley and southern Mid Atlantic through Saturday. These rains may lead to flooding concerns across these areas.

A list of preliminary rainfall observations compiled by the NOAA Weather Prediction Center can be found at: [www.wpc.ncep.noaa.gov/discussions/nfdsccl.html](http://www.wpc.ncep.noaa.gov/discussions/nfdsccl.html)

**STORM SURGE:** Water levels along the northwestern and northern Gulf coast should subside very slowly over the next day or two.

**TORNADOES:** Isolated tornadoes are possible tonight across parts of Mississippi, southern Alabama, and southwest Georgia. Additional tornadoes are possible on Thursday afternoon and evening across northern portions of Mississippi, Alabama, Georgia, and into parts of Tennessee.

## NEXT ADVISORY

This is the last public advisory issued by the National Hurricane Center on Harvey. Future information on this system can be found in Public Advisories issued by the Weather Prediction Center beginning at 4 AM CDT, under AWIPS header TCPAT4, WMO header WTNT34 KWNH, and on the web at <http://www.wpc.ncep.noaa.gov>. These advisories will also continue to be found on the National Hurricane Center website at [hurricanes.gov](http://hurricanes.gov).

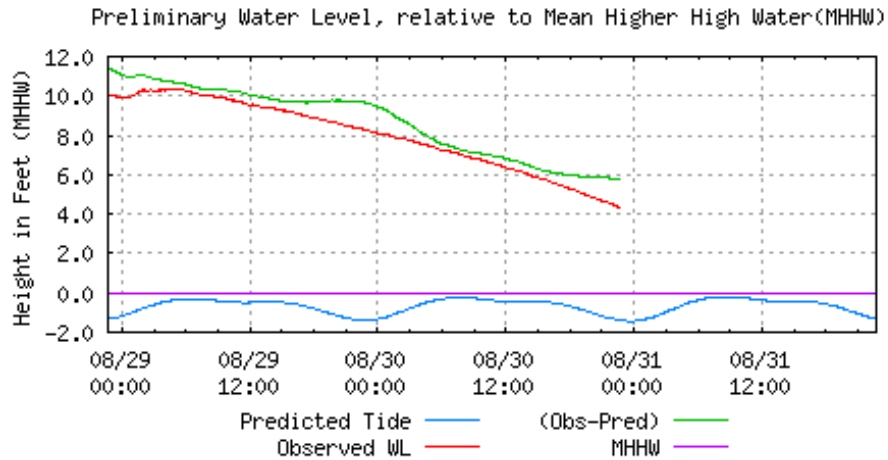
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Forecaster Brown

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Manchester - Water Level](#), [Manchester - Winds](#), [Manchester - Barometric](#), [Eagle Point - Water Level](#), [Eagle Point - Winds](#), [Galveston Bay Entrance, North Jetty - Water Level](#), [Galveston Bay Entrance, North Jetty - Winds](#), [Rollover Pass - Water Level](#), [Rollover Pass - Winds](#), [High Island - Water Level](#), [High Island - Winds](#), [Rainbow Bridge - Water Level](#), [Texas Point, Sabine Pass - Water Level](#), [Texas Point, Sabine Pass - Winds](#), [Calcasieu Pass - Water Level](#), [Calcasieu Pass - Winds](#), [Lake Charles - Water Level](#), [Lake Charles - Barometric](#), [Freshwater Canal Locks - Water Level](#), [Freshwater Canal Locks - Winds](#), [Freshwater Canal Locks - Barometric](#), [Eugene Island, North of , Gulf of Mexico - Water Level](#), [Eugene Island, North of , Gulf of Mexico - Winds](#), [Eugene Island, North of , Gulf of Mexico - Barometric](#), [Grand Isle - Water Level](#), [Grand Isle - Winds](#), [Grand Isle - Barometric](#), [San Luis Pass - Water Level](#), [San Luis Pass - Winds](#), [Freeport - Water Level](#), [Freeport - Winds](#), [Sargent - Water Level](#), [Sargent - Winds](#), [Matagorda City - Water Level](#), [Matagorda City - Winds](#), [Matagorda City - Barometric](#)

NOAA/NOS/CO-OPS 8770777 Manchester, TX



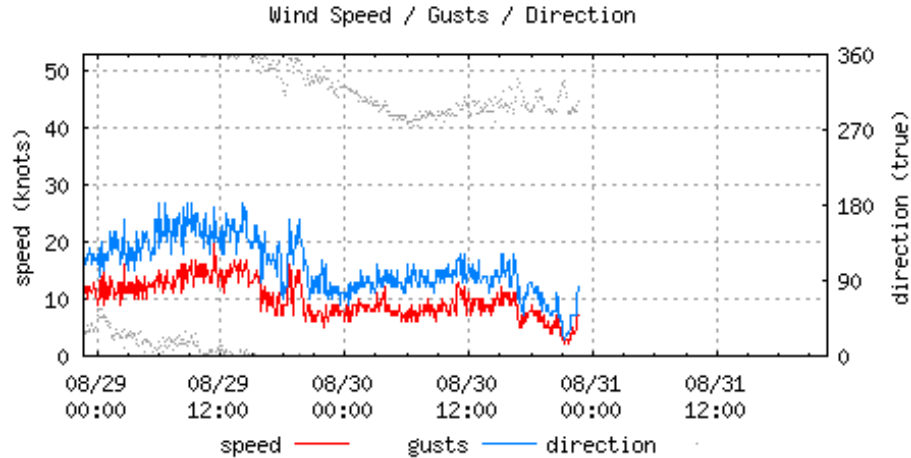
Last Observed Sample: 08/30/2017 22:36 (CDT). Data relative to MHHW

Observed: 4.36 ft. Predicted: -1.37 ft. Residual: 5.73 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/31/2017 08:37 (CDT), -0.20 ft.

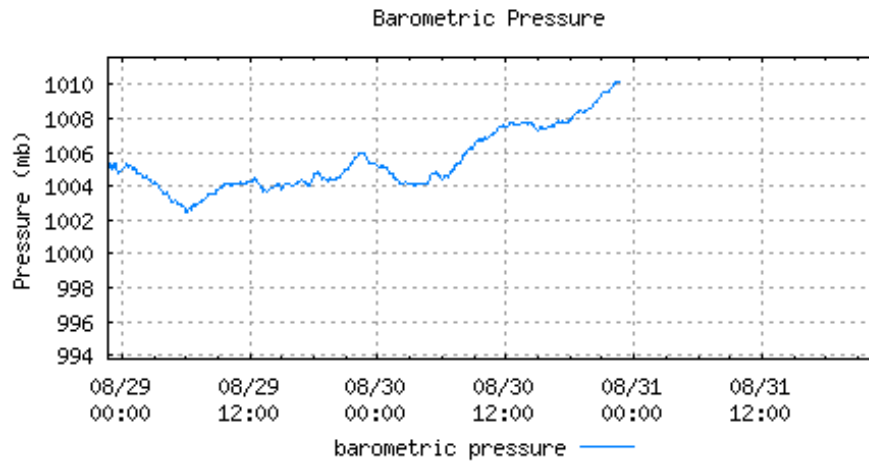
NOAA/NOS/CO-OPS 8770777 Manchester, TX



Last Observed Sample: 08/30/2017 22:36 (CDT)

Wind Speed: 7 knots Gusts: 12 knots Direction: 305° T

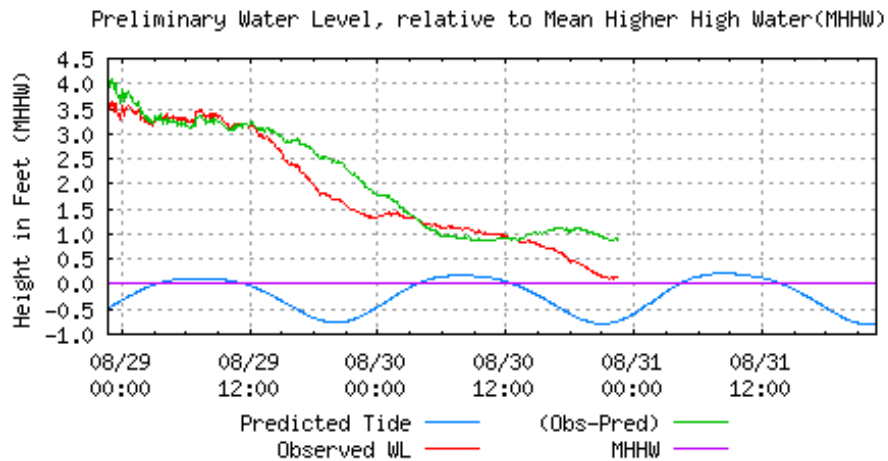
NOAA/NOS/CO-OPS 8770777 Manchester, TX



Last Observed Sample: 08/30/2017 22:36 (CDT)

Barometric Pressure: 1010.2 mb

NOAA/NOS/CO-OPS 8771013 Eagle Point, TX



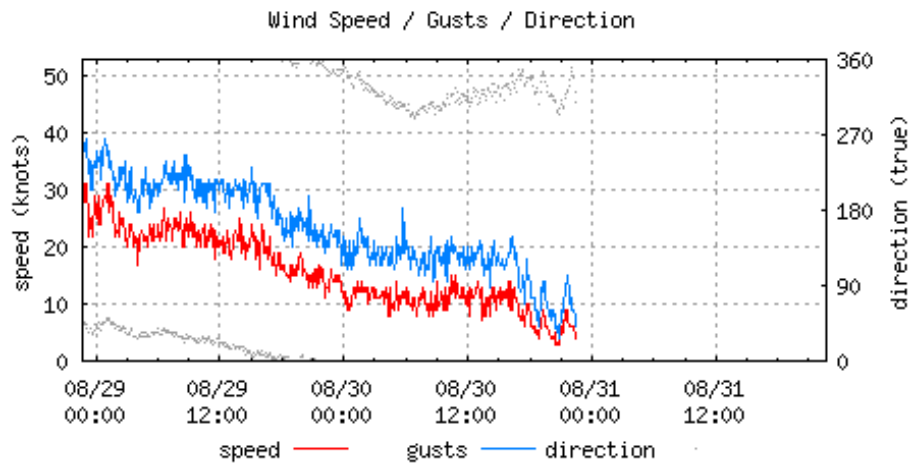
Last Observed Sample: 08/30/2017 22:36 (CDT). Data relative to MHHW

Observed: 0.16 ft. Predicted: -0.73 ft. Residual: 0.89 ft.

Historical Maximum Water Level: Sep 13 2008, 10.76 ft.

Next High Tide: 08/31/2017 08:24 (CDT), 0.22 ft.

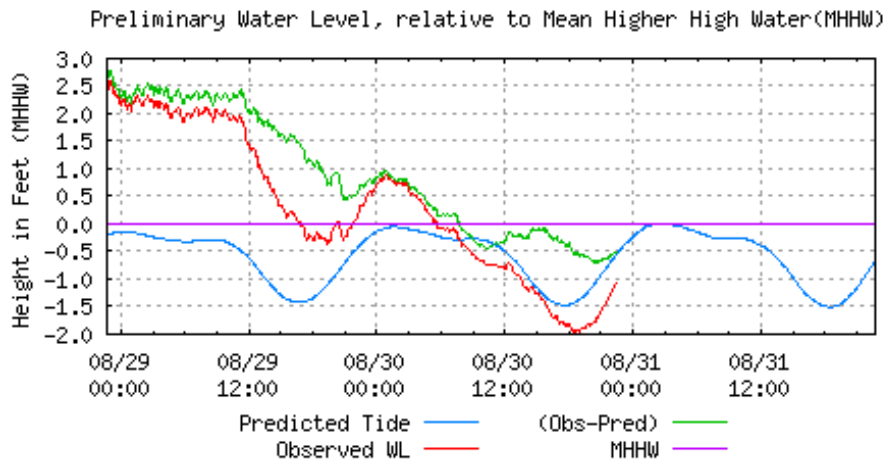
NOAA/NOS/CO-OPS 8771013 Eagle Point, TX



Last Observed Sample: 08/30/2017 22:36 (CDT)

Wind Speed: 2 knots Gusts: 5 knots Direction: 308° T

NOAA/NOS/CO-OPS 8771341 Galveston Bay Entrance, North Jetty, TX



Last Observed Sample: 08/30/2017 22:36 (CDT). Data relative to MHHW

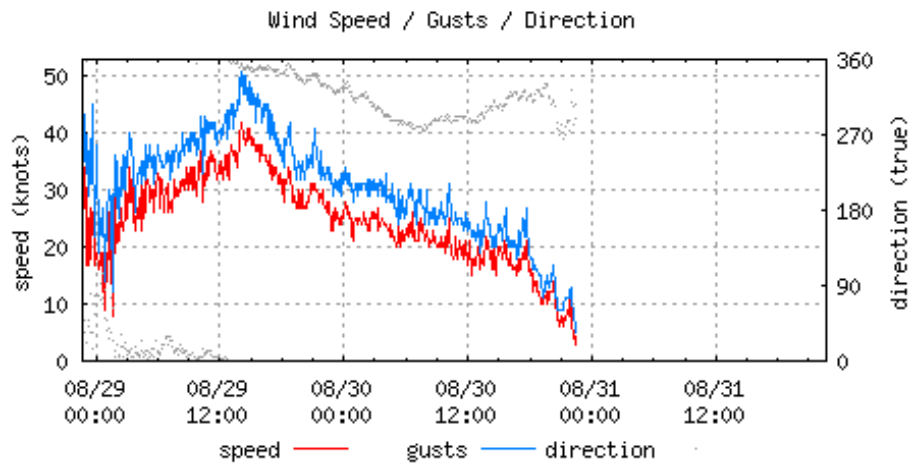
Observed: -1.01 ft. Predicted: -0.51 ft. Residual: -0.50 ft.

Historical Maximum Water Level: Jul 15 2003, 4.08 ft.

Next High Tide: 08/31/2017 02:33 (CDT), 0.01 ft.



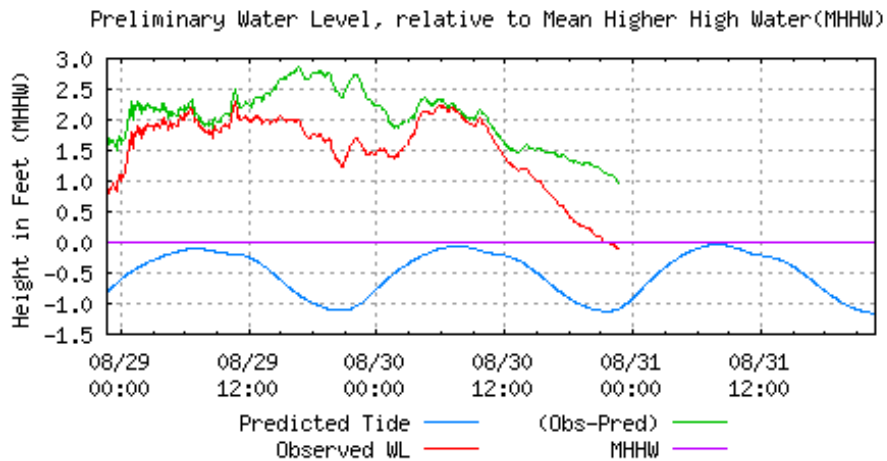
NOAA/NOS/CO-OPS 8771341 Galveston Bay Entrance, North Jetty, TX



Last Observed Sample: 08/30/2017 22:36 (CDT)

Wind Speed: 3 knots Gusts: 5 knots Direction: 278° T

NOAA/NOS/CO-OPS 8770971 Rollover Pass, TX



Last Observed Sample: 08/30/2017 22:36 (CDT). Data relative to MHHW

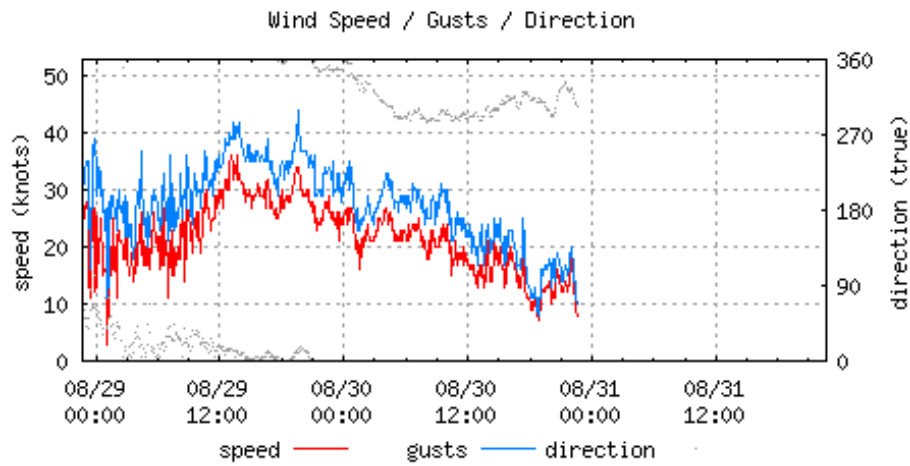
Observed: -0.11 ft. Predicted: -1.09 ft. Residual: 0.98 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/31/2017 07:57 (CDT), -0.04 ft.



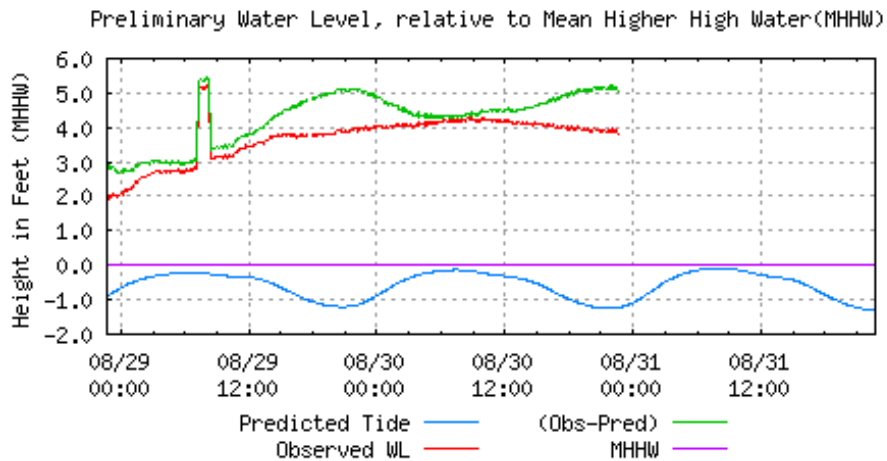
NOAA/NOS/CO-OPS 8770971 Rollover Pass, TX



Last Observed Sample: 08/30/2017 22:36 (CDT)

Wind Speed: 8 knots Gusts: 10 knots Direction: 304° T

NOAA/NOS/CO-OPS 8770808 High Island, TX



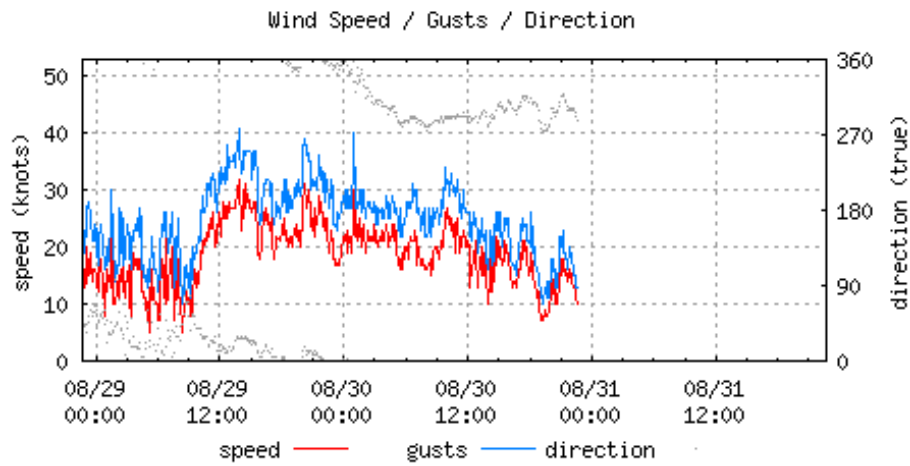
Last Observed Sample: 08/30/2017 22:42 (CDT). Data relative to MHHW

Observed: 3.79 ft. Predicted: -1.23 ft. Residual: 5.02 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/31/2017 07:59 (CDT), -0.08 ft.

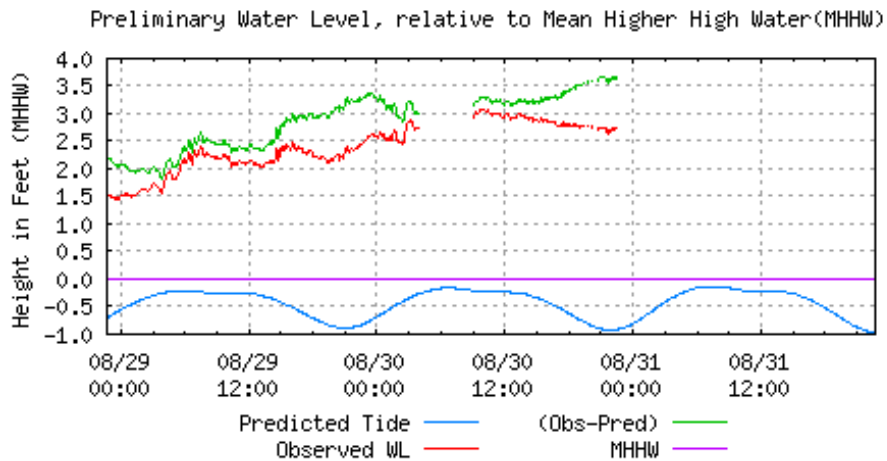
NOAA/NOS/CO-OPS 8770808 High Island, TX



Last Observed Sample: 08/30/2017 22:42 (CDT)

Wind Speed: 9 knots Gusts: 12 knots Direction: 285° T

NOAA/NOS/CO-OPS 8770520 Rainbow Bridge, TX



Last Observed Sample: 08/30/2017 22:42 (CDT). Data relative to MHHW

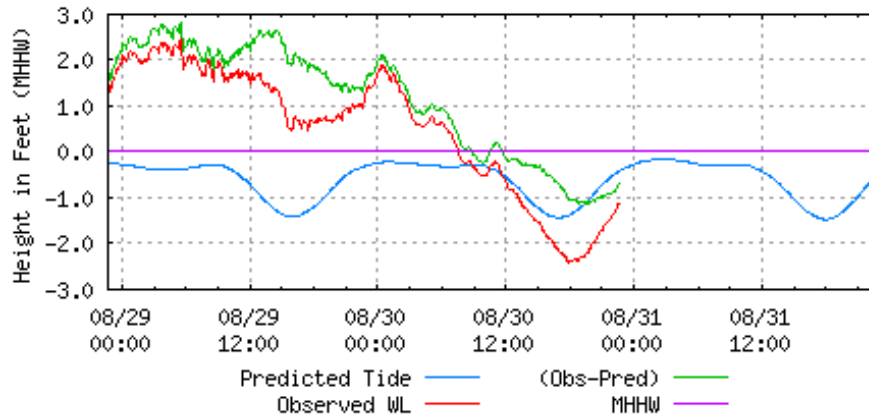
Observed: 2.74 ft. Predicted: -0.91 ft. Residual: 3.65 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/31/2017 07:17 (CDT), -0.14 ft.

NOAA/NOS/CO-OPS 8770822 Texas Point, Sabine Pass, TX

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 08/30/2017 22:42 (CDT). Data relative to MHHW

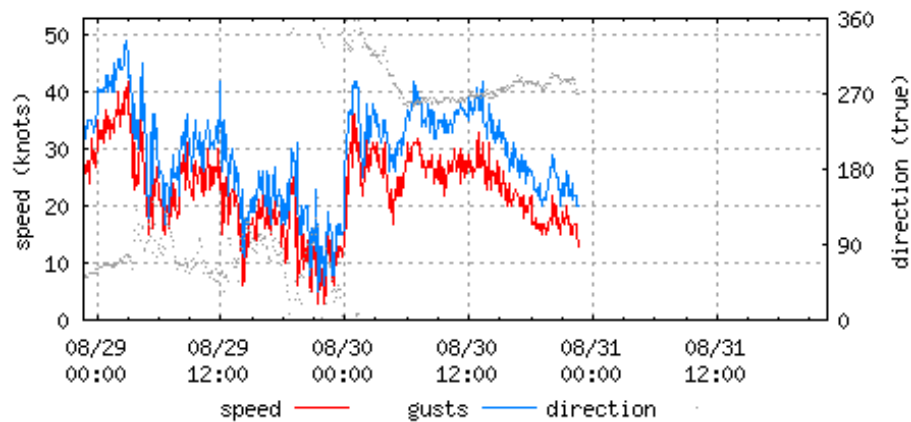
Observed: -1.06 ft. Predicted: -0.41 ft. Residual: -0.65 ft.

Historical Maximum Water Level: Mar 20 2012, 1.91 ft.

Next High Tide: 08/31/2017 02:38 (CDT), -0.16 ft.

NOAA/NOS/CO-OPS 8770822 Texas Point, Sabine Pass, TX

Wind Speed / Gusts / Direction

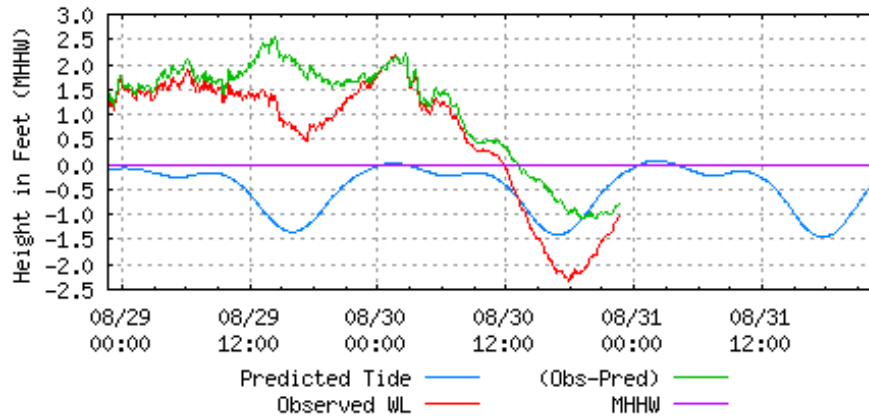


Last Observed Sample: 08/30/2017 22:42 (CDT)

Wind Speed: 15 knots Gusts: 19 knots Direction: 272° T

NOAA/NOS/CO-OPS 8768094 Calcasieu Pass, LA

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 08/30/2017 22:36 (CDT). Data relative to MHHW

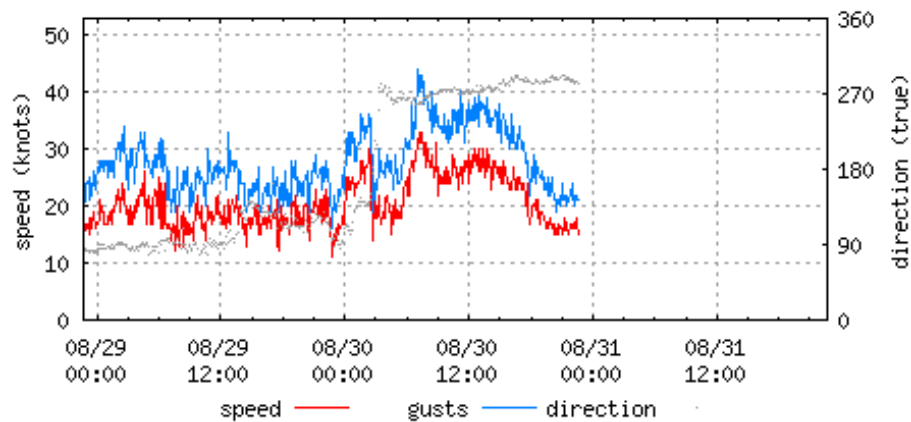
Observed: -1.03 ft. Predicted: -0.24 ft. Residual: -0.79 ft.

Historical Maximum Water Level: Sep 13 2008, 9.96 ft.

Next High Tide: 08/31/2017 02:05 (CDT), 0.07 ft.

NOAA/NOS/CO-OPS 8768094 Calcasieu Pass, LA

Wind Speed / Gusts / Direction

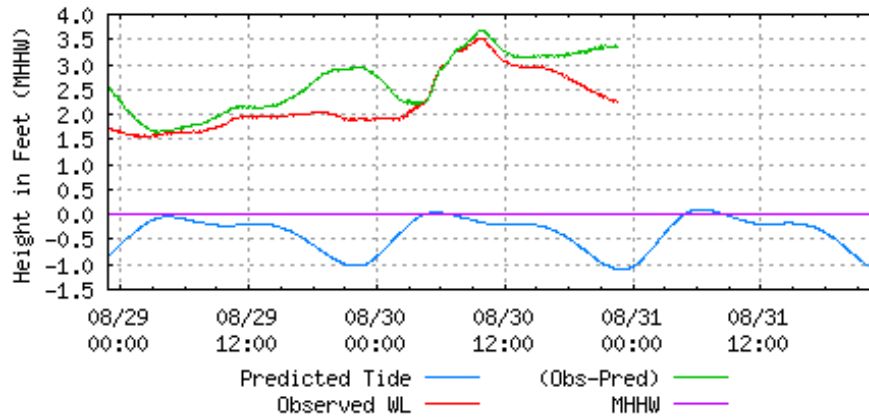


Last Observed Sample: 08/30/2017 22:36 (CDT)

Wind Speed: 15 knots Gusts: 21 knots Direction: 283° T

NOAA/NOS/CO-OPS 8767816 Lake Charles, LA

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 08/30/2017 22:36 (CDT). Data relative to MHHW

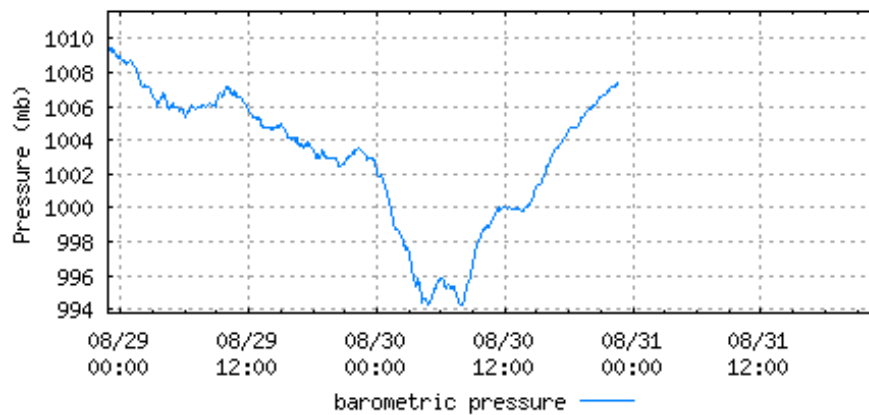
Observed: 2.23 ft. Predicted: -1.10 ft. Residual: 3.33 ft.

Historical Maximum Water Level: Oct 16 2006, 2.19 ft.

Next High Tide: 08/31/2017 06:24 (CDT), 0.10 ft.

NOAA/NOS/CO-OPS 8767816 Lake Charles, LA

Barometric Pressure

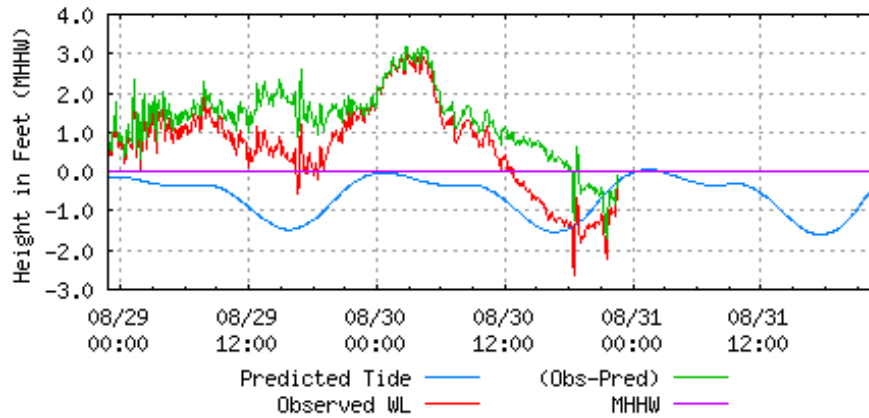


Last Observed Sample: 08/30/2017 22:36 (CDT)

Barometric Pressure: 1007.4 mb

NOAA/NOS/CO-OPS 8766072 Freshwater Canal Locks, LA

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 08/30/2017 22:42 (CDT). Data relative to MHHW

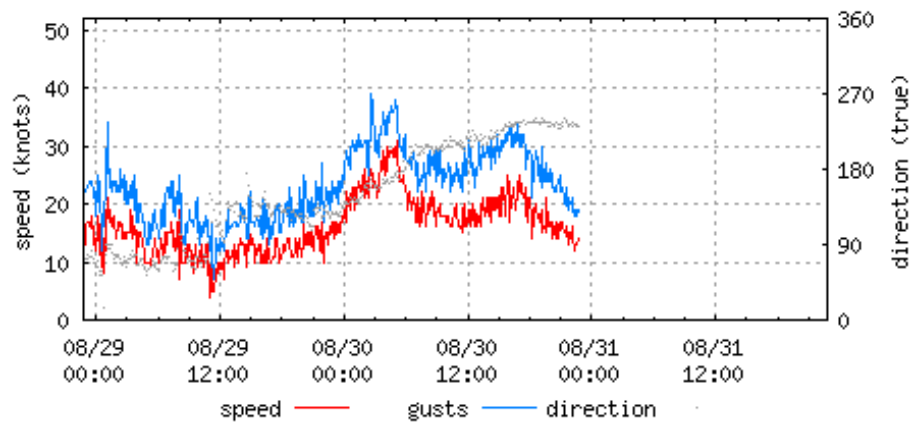
Observed: -0.50 ft. Predicted: -0.25 ft. Residual: -0.25 ft.

Historical Maximum Water Level: Sep 12 2008, 7.98 ft.

Next High Tide: 08/31/2017 01:27 (CDT), 0.05 ft.

NOAA/NOS/CO-OPS 8766072 Freshwater Canal Locks, LA

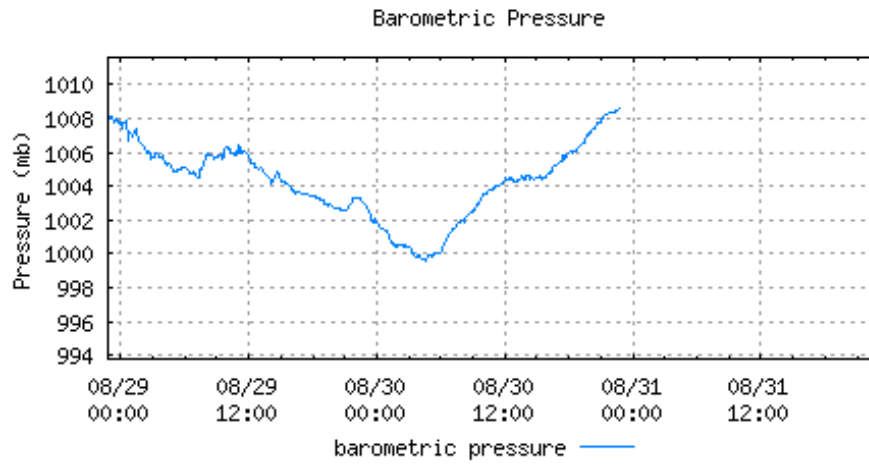
Wind Speed / Gusts / Direction



Last Observed Sample: 08/30/2017 22:42 (CDT)

Wind Speed: 14 knots Gusts: 19 knots Direction: 230° T

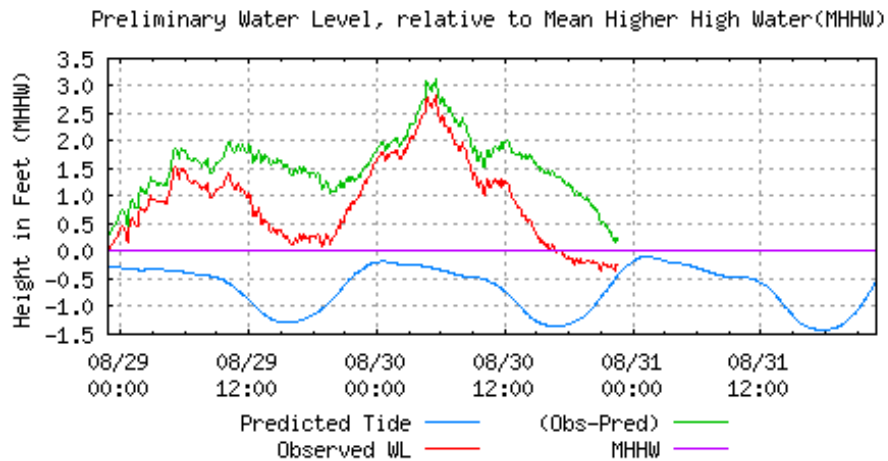
NOAA/NOS/CO-OPS 8766072 Freshwater Canal Locks, LA



Last Observed Sample: 08/30/2017 22:42 (CDT)

Barometric Pressure: 1008.6 mb

NOAA/NOS/CO-OPS 8764314 Eugene Island, North of , Gulf of Mexico, LA



Last Observed Sample: 08/30/2017 22:36 (CDT). Data relative to MHHW

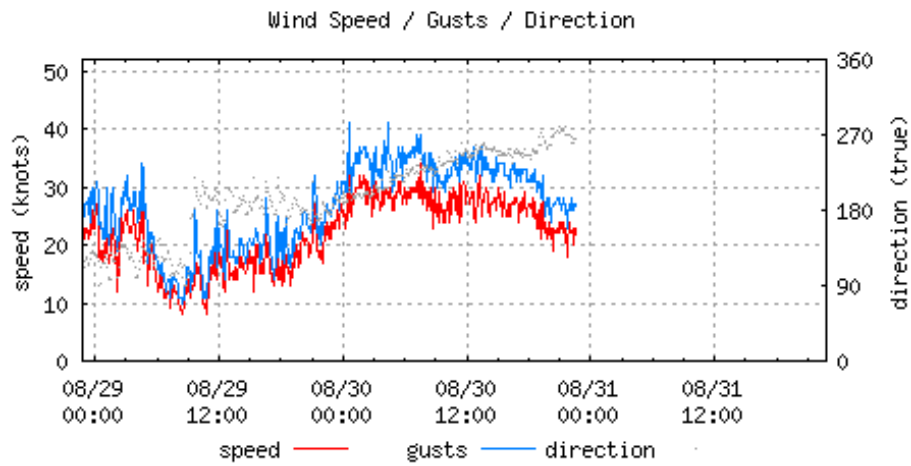
Observed: -0.23 ft. Predicted: -0.44 ft. Residual: 0.21 ft.

Historical Maximum Water Level: Oct 25 2015, 2.74 ft.

Next High Tide: 08/31/2017 01:15 (CDT), -0.10 ft.



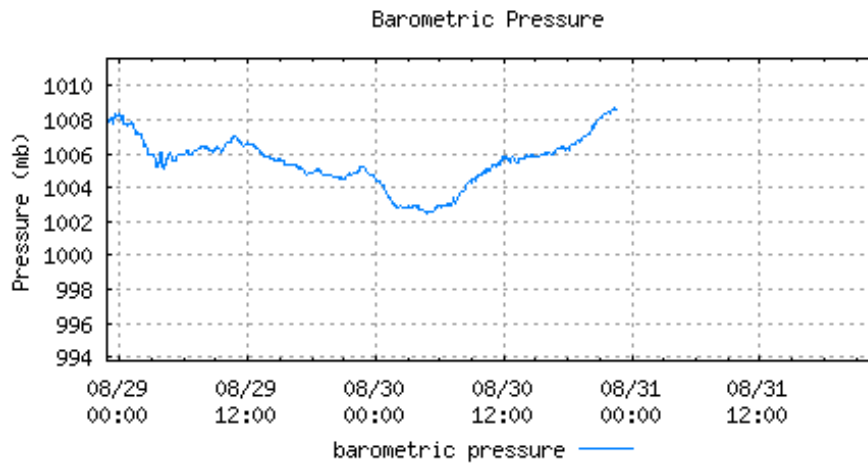
NOAA/NOS/CO-OPS 8764314 Eugene Island, North of , Gulf of Mexico, LA



Last Observed Sample: 08/30/2017 22:36 (CDT)

Wind Speed: 22 knots Gusts: 27 knots Direction: 265° T

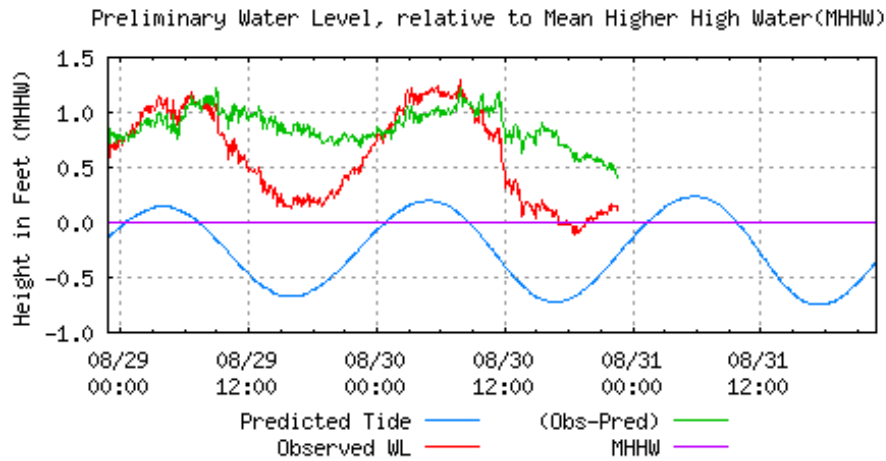
NOAA/NOS/CO-OPS 8764314 Eugene Island, North of , Gulf of Mexico, LA



Last Observed Sample: 08/30/2017 22:36 (CDT)

Barometric Pressure: 1008.6 mb

NOAA/NOS/CO-OPS 8761724 Grand Isle, LA



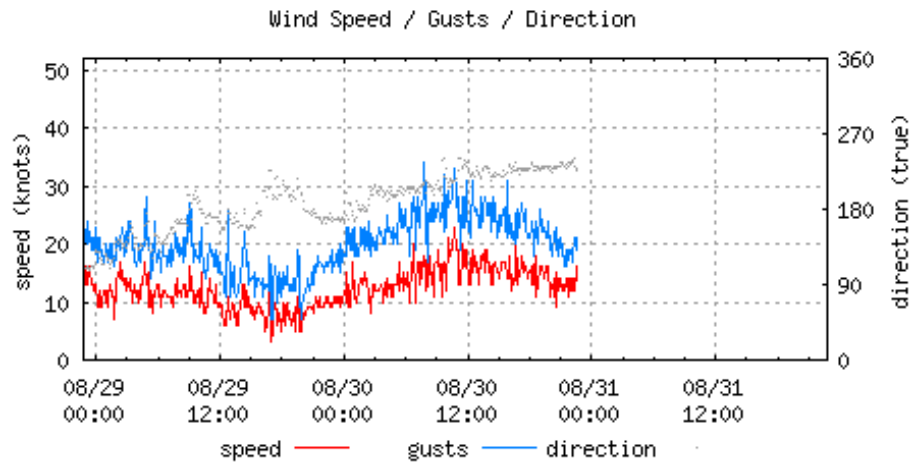
Last Observed Sample: 08/30/2017 22:42 (CDT). Data relative to MHHW

Observed: 0.15 ft. Predicted: -0.28 ft. Residual: 0.43 ft.

Historical Maximum Water Level: Aug 29 2012, 4.45 ft.

Next High Tide: 08/31/2017 05:46 (CDT), 0.24 ft.

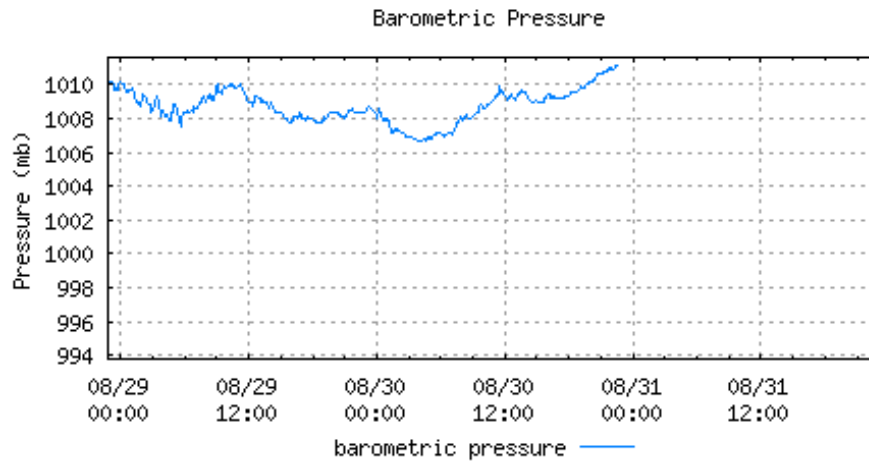
NOAA/NOS/CO-OPS 8761724 Grand Isle, LA



Last Observed Sample: 08/30/2017 22:42 (CDT)

Wind Speed: 16 knots Gusts: 20 knots Direction: 228° T

NOAA/NOS/CO-OPS 8761724 Grand Isle, LA



Last Observed Sample: 08/30/2017 22:42 (CDT)

Barometric Pressure: 1011.2 mb

NOAA/NOS/CO-OPS 8771972 San Luis Pass, TX  
NOAA/NOS/CO-OPS

This data type is not currently available from this station.					
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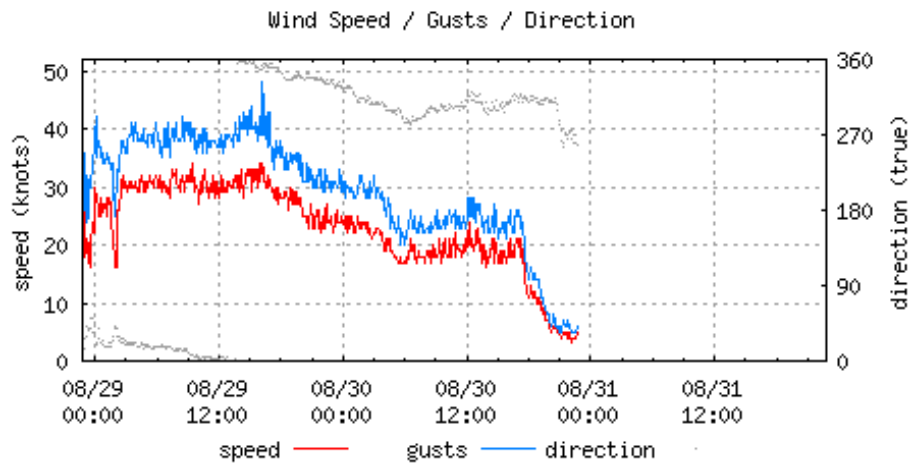
Last Observed Sample: 08/30/2017 22:42 (CDT). Data relative to MHHW

Observed: -1.14 ft. Predicted: -0.43 ft. Residual: -0.71 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/31/2017 04:25 (CDT), 0.11 ft.

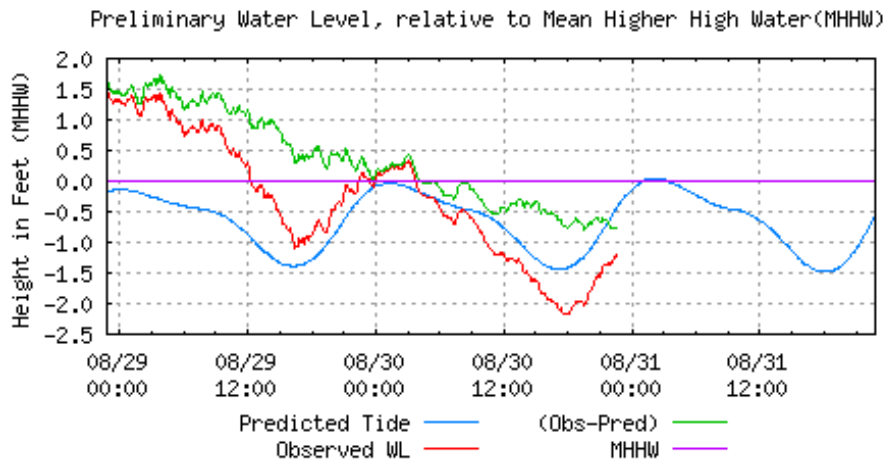
NOAA/NOS/CO-OPS 8771972 San Luis Pass, TX



Last Observed Sample: 08/30/2017 22:42 (CDT)

Wind Speed: 5 knots Gusts: 6 knots Direction: 257° T

NOAA/NOS/CO-OPS 8772447 Freeport, TX



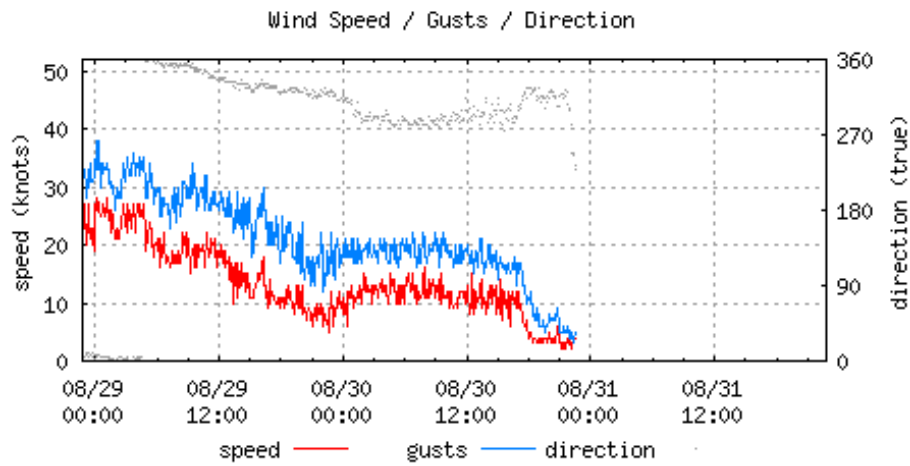
Last Observed Sample: 08/30/2017 22:36 (CDT). Data relative to MHHW

Observed: -1.21 ft. Predicted: -0.43 ft. Residual: -0.78 ft.

Historical Maximum Water Level: Sep 12 2008, 5.58 ft.

Next High Tide: 08/31/2017 02:07 (CDT), 0.05 ft.

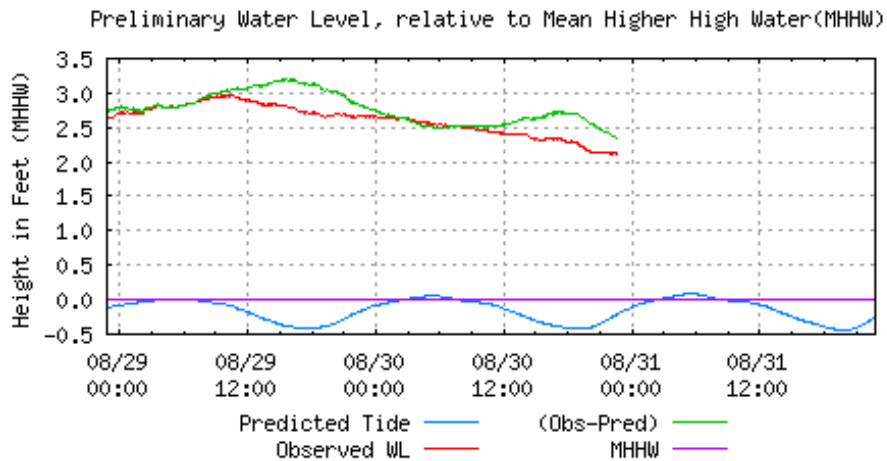
NOAA/NOS/CO-OPS 8772447 Freeport, TX



Last Observed Sample: 08/30/2017 22:36 (CDT)

Wind Speed: 4 knots Gusts: 5 knots Direction: 234° T

NOAA/NOS/CO-OPS 8772985 Sargent, TX



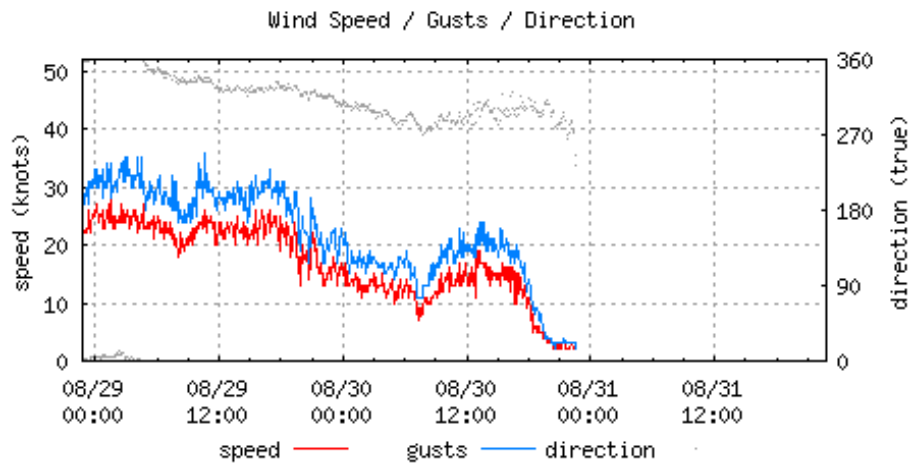
Last Observed Sample: 08/30/2017 22:36 (CDT). Data relative to MHHW

Observed: 2.12 ft. Predicted: -0.21 ft. Residual: 2.33 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/31/2017 05:32 (CDT), 0.08 ft.

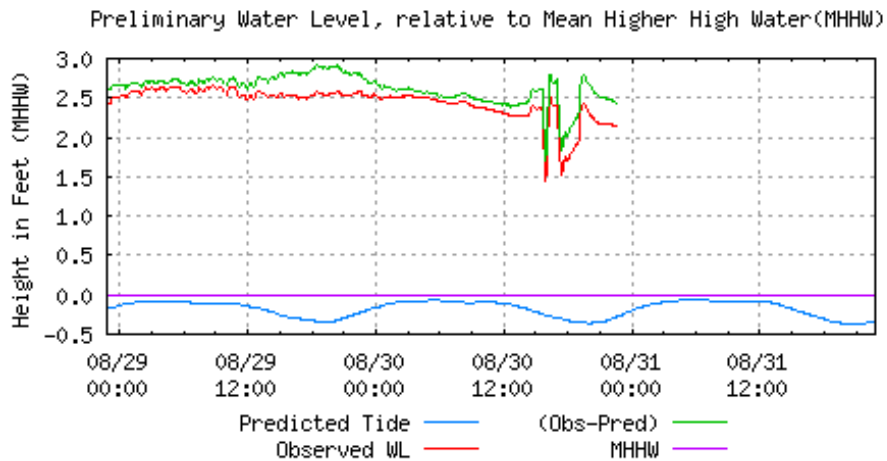
NOAA/NOS/CO-OPS 8772985 Sargent, TX



Last Observed Sample: 08/30/2017 22:36 (CDT)

Wind Speed: 2 knots Gusts: 2 knots Direction: 233° T

NOAA/NOS/CO-OPS 8773146 Matagorda City, TX



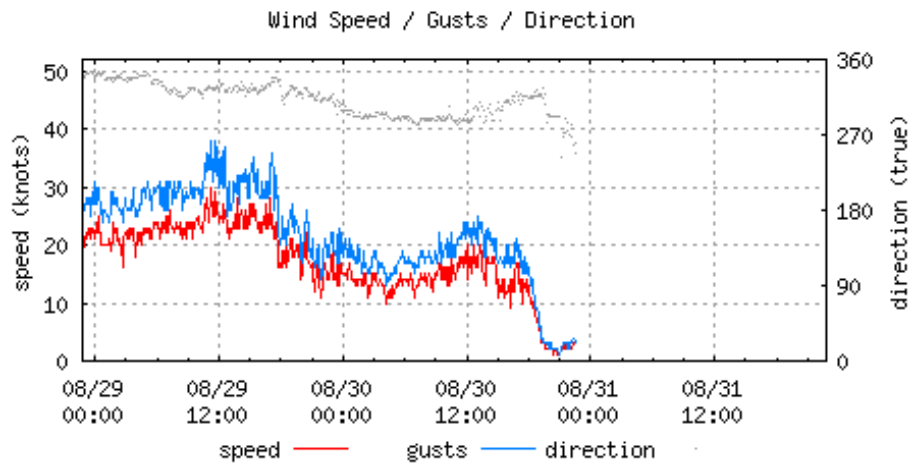
Last Observed Sample: 08/30/2017 22:36 (CDT). Data relative to MHHW

Observed: 2.16 ft. Predicted: -0.27 ft. Residual: 2.43 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/31/2017 05:42 (CDT), -0.06 ft.

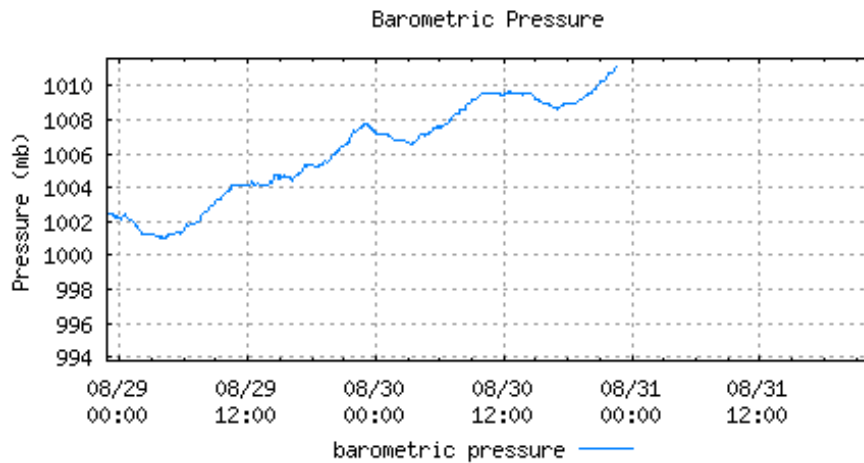
NOAA/NOS/CO-OPS 8773146 Matagorda City, TX



Last Observed Sample: 08/30/2017 22:36 (CDT)

Wind Speed: 3 knots Gusts: 3 knots Direction: 249° T

NOAA/NOS/CO-OPS 8773146 Matagorda City, TX



Last Observed Sample: 08/30/2017 22:36 (CDT)

Barometric Pressure: 1011.1 mb



Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8770777	Manchester, TX	08/30/2017 22:36 (CDT)	4.36 ft	-1.37 ft	5.73 ft	8.30 ft
8771013	Eagle Point, TX	08/30/2017 22:36 (CDT)	0.16 ft	-0.73 ft	0.89 ft	1.45 ft
8771341	Galveston Bay Entrance, North Jetty, TX	08/30/2017 22:36 (CDT)	-1.01 ft	-0.51 ft	-0.50 ft	0.89 ft
8770971	Rollover Pass, TX	08/30/2017 22:36 (CDT)	-0.11 ft	-1.09 ft	0.98 ft	2.23 ft
8770808	High Island, TX	08/30/2017 22:42 (CDT)	3.79 ft	-1.23 ft	5.02 ft	4.27 ft
8770520	Rainbow Bridge, TX	08/30/2017 22:42 (CDT)	2.74 ft	-0.91 ft	3.65 ft	3.08 ft
8770822	Texas Point, Sabine Pass, TX	08/30/2017 22:42 (CDT)	-1.06 ft	-0.41 ft	-0.65 ft	1.89 ft
8768094	Calcasieu Pass, LA	08/30/2017 22:36 (CDT)	-1.03 ft	-0.24 ft	-0.79 ft	2.23 ft
8767816	Lake Charles, LA	08/30/2017 22:36 (CDT)	2.23 ft	-1.10 ft	3.33 ft	3.53 ft
8766072	Freshwater Canal Locks, LA	08/30/2017 22:42 (CDT)	-0.50 ft	-0.25 ft	-0.25 ft	3.06 ft
8764314	Eugene Island, North of , Gulf of Mexico, LA	08/30/2017 22:36 (CDT)	-0.23 ft	-0.44 ft	0.21 ft	2.83 ft
8761724	Grand Isle, LA	08/30/2017 22:42 (CDT)	0.15 ft	-0.28 ft	0.43 ft	1.29 ft
8771972	San Luis Pass, TX	08/30/2017 22:42 (CDT)	-1.14 ft	-0.43 ft	-0.71 ft	0.63 ft
8772447	Freeport, TX	08/30/2017 22:36 (CDT)	-1.21 ft	-0.43 ft	-0.78 ft	0.32 ft
8772985	Sargent, TX	08/30/2017 22:36 (CDT)	2.12 ft	-0.21 ft	2.33 ft	2.66 ft
8773146	Matagorda City, TX	08/30/2017 22:36 (CDT)	2.16 ft	-0.27 ft	2.43 ft	2.58 ft

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